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Summary of CTEH's Staging Area Perimeter Air Monitoring Activities In Response to the MC 252 Oil Spill Cumulative Summary for May 18, 2010 - May 24, 2010

Air Monitoring was conducted around the perimeter of seven staging areas in Louisiana from Slidell to Franklin to address public concerns for crude oil vapors. The results of air monitoring data collected from approximately 16:00 on May 18, 2010, until 17:00 on May 24, 2010, are shown in Table 1 and 2 below, and the locations where monitoring was conducted are shown in Figure 1.

Table 1 Summary of Air Monitoring Around the Perimeter of Staging Areas in LA

Crude Oil Chemicals of Interest	Number of Measurements	Average Concentration (ppm)	Maximum Concentration (ppm)
Volatile Organic Chemicals including benzene (VOCs)	1099	0	0
Hydrogen sulfide	1103	0	0
Sulfur dioxide	1064	0	0
Benzene*	134	0	0
Total	3400		

*Benzene measured with detector tubes

Table 2 Summary of Particulate Matter Readings around the Perimeter of Staging Areas in LA

Particulates	Number of Measurements	Average Concentration (mg/m^3)	Maximum Concentration (mg/m^3)
Particulate Matter (PM10)*	15	0.034	0.31
Particulate Matter (PM2.5)**	970	0.029	0.42
Total	985		

*PM10 – is particulate matter less than 10 microns

**PM2.5 – is particulate matter less than 2.5 microns

Air monitoring results show that crude oil vapors were not detected around staging areas. All readings were less than instrument detection limits for VOCs, hydrogen sulfide, sulfur dioxide, and benzene. Particulate levels show that concentrations were in range with baseline readings and were below levels of concern. Testing teams trained in odors also noted the presence or absence of crude oil vapors (Figure 2). There were no odors observed in: Slidell, Hopedale, Venice, Port Fourchon, Chauvin, and Franklin, LA. However, there were a few crude oil odor observances in Grand Isle, LA, but no VOCs were detected.

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Figure 1 – Air Monitoring Locations around Staging Areas

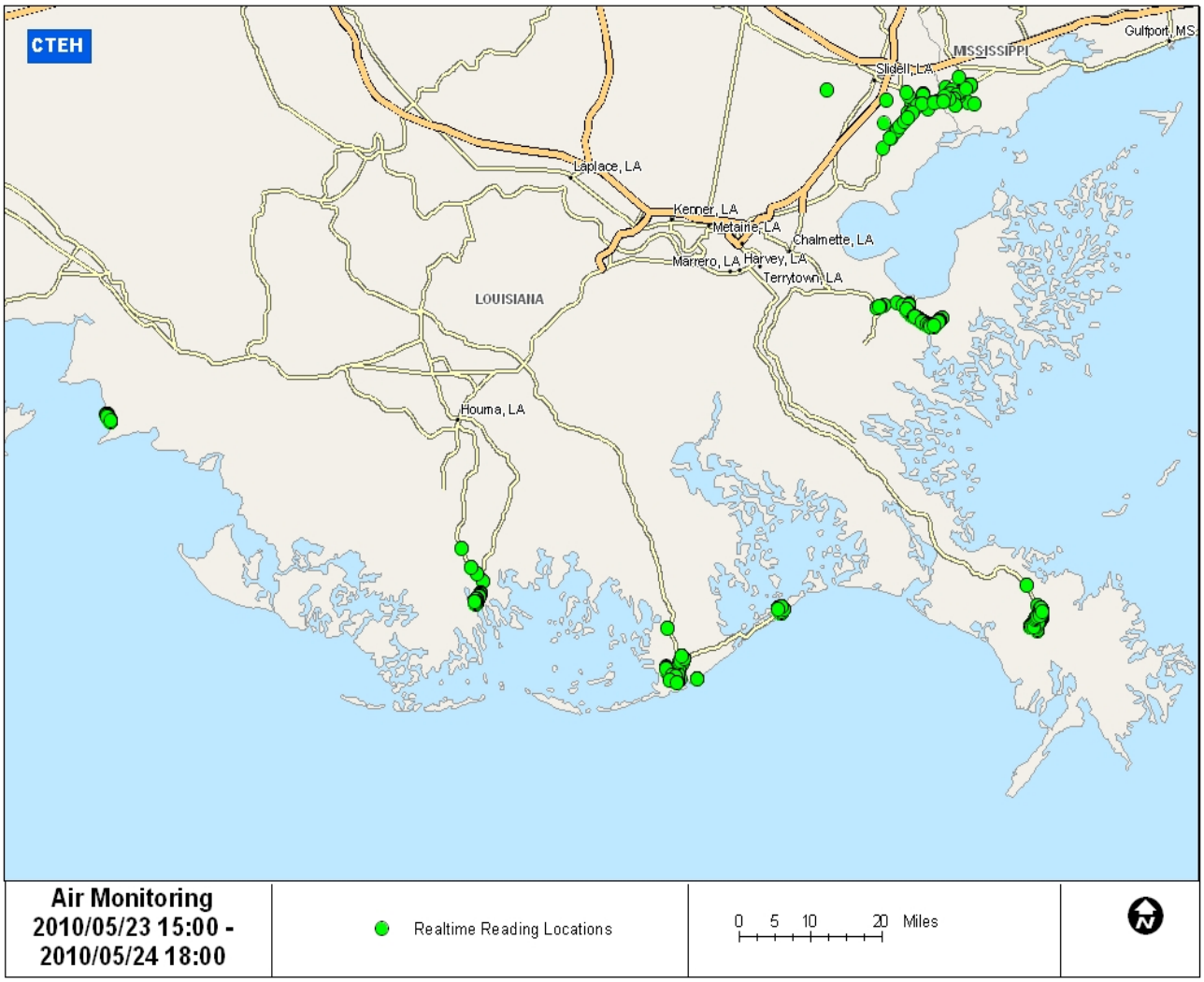
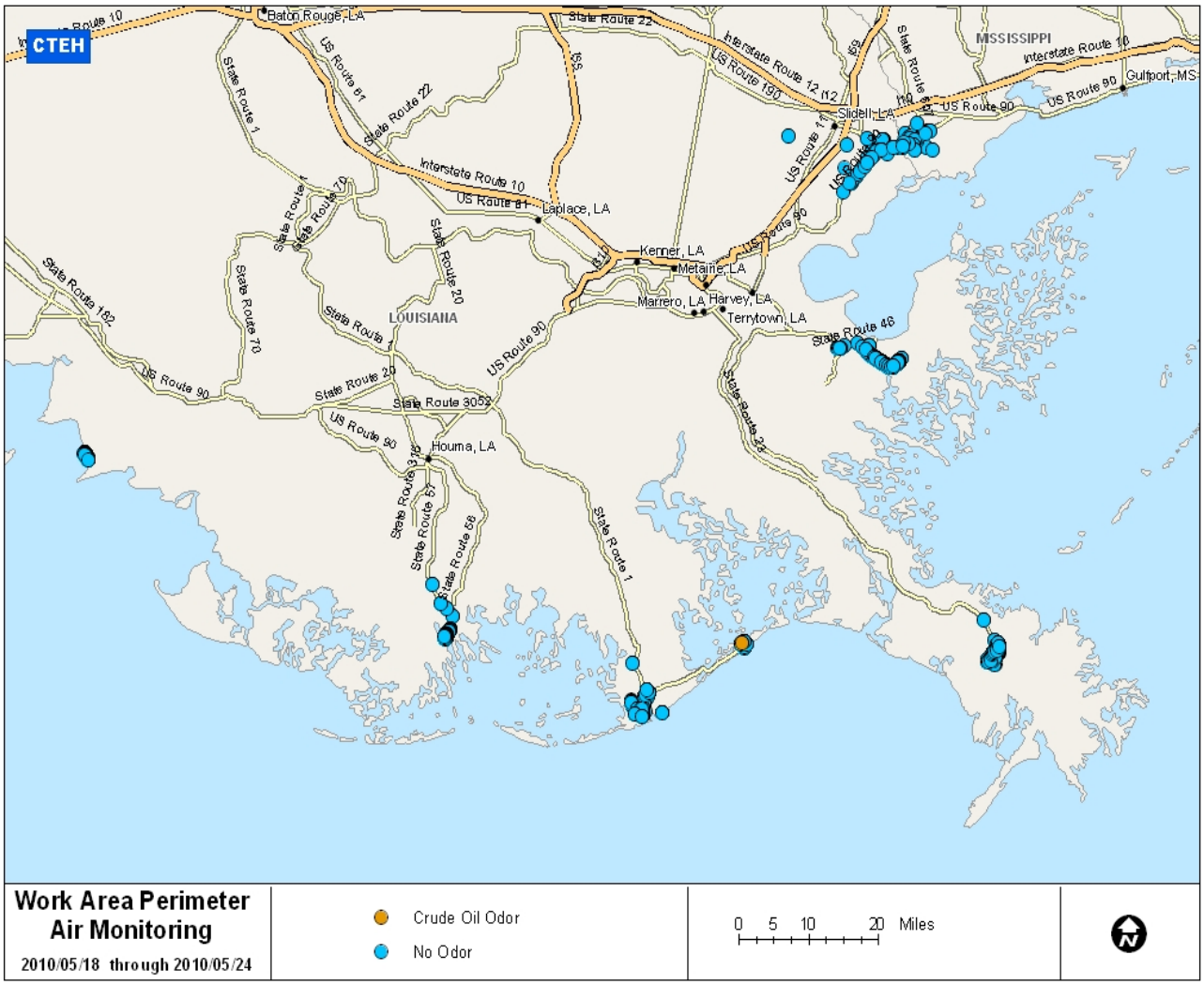


Figure 2 – Odor Observances



Note – blue dot means no odor detected, orange dot indicates that crude oil odors were detected.